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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,961	02/25/2004	David R. Clark	555255012729	4125

7590 04/20/2007
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EXAMINER

ADDY, ANTHONY S

ART UNIT	PAPER NUMBER
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2617

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.		Applicant(s)	
	10/786,961		CLARK ET AL.	
	Examiner		Art Unit	
	Anthony S. Addy		2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 January 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 4-6, 8, 9, 16 and 48-52 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-6, 8, 9, 16 and 48-52 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to applicant's amendment filed on January 22, 2007.

Claims 1, 4-6, 8, 9, 16 and 48-52 are pending in the present application.

Response to Arguments

2. Applicant's arguments with respect to **claims 1, 4-6, 8, 9, 16 and 48-52** have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 1, 4-6, 8, 16-17, and 48-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Vasudevan, U.S. Publication Number 20040192282 A1 (hereinafter Vasudevan)** and further in view of **Ji et al., U.S. Patent Number 6,836,657 (hereinafter Ji)**.

As to **claim 1**, Vasudevan discloses: A method of updating a mobile device having a baseline configuration stored in a mobile device memory **(110) (paragraph 2)**, comprising: receiving at a mobile device resource requirements data for an update from an update management computing device, the resource requirements data including a memory size of update data associated with the update **(paragraph 42)**; determining whether the mobile device has a minimum amount of available memory in the mobile device memory to store the update data by comparing the memory size of the update

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data to the minimum amount of available memory in the mobile device memory **(paragraph 42)**; if the mobile device does not have the minimum amount of available memory in the mobile device memory to store the update data, then identifying stored mobile device data stored in the mobile device memory that may be purged to make available the minimum amount of available memory in the mobile device memory **(paragraph 47)**; transmitting from the mobile device to the update management computing device update request data requesting update data **(paragraph 47)**; receiving at the mobile device the update data from the update management computing device in response to the transmitted update request data **(paragraph 47)**.

However, Vasudevan fails to disclose updating the mobile device with the received update data by: creating an updated mobile device configuration within the available memory of the mobile device memory; and maintaining the baseline mobile device configuration within the mobile device memory after creating the updated mobile device configuration within the available memory of the mobile device memory.

However, the Examiner contends this feature is very well known in the art as taught for example by Ji.

In an analogous field of endeavor, Ji teaches disclose updating the mobile device with the received update data by: creating an updated mobile device configuration within the available memory of the mobile device memory; and maintaining the baseline mobile device configuration within the mobile device memory after creating the updated mobile device configuration within the available memory of the mobile device memory

(see col. 8, lines 52-65, col. 9, lines 27-54, col. 10, line 41 through col. 11, line 7 and Fig. 1; shows a single device memory 130).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Vasudevan with the teachings of Ji to include a method of updating the mobile device with the received update data by: creating an updated mobile device configuration within the available memory of the mobile device memory; and maintaining the baseline mobile device configuration within the mobile device memory after creating the updated mobile device configuration within the available memory of the mobile device memory, in order to provide a fail-safe software upgrade in mobile devices by retaining a backup version of the original configuration file until the new upgraded configuration file has been tested and verified as taught by Ji **(see col. 3, lines 23-30 and col. 10, line 41 through col. 11, line 7).**

As to **claim 4**, Vasudevan in view of Ji teaches everything as applied in claim 1 and Vasudevan also discloses: upon identifying stored mobile device data stored in the mobile device memory that may be purged to make available the minimum amount of available memory in the mobile device memory (paragraph 47): determining whether the identified stored mobile device data is stored on a remote storage device operable to communicate with the mobile device over a communication network (paragraph 47); upon determining that the identified stored mobile device data is not stored on the remote storage device, transmitting the identified stored mobile device data to the remote storage device for storage (paragraph 47); and purging the identified stored mobile device data from the mobile device memory (paragraph 47).

As to **claim 5**, Vasudevan in view of Ji teaches everything as applied in claims 1 and 4 and Vasudevan also discloses: updating the mobile device with the received update data (paragraph 42); transmitting a request from the mobile device to the remote storage device for transmission of the identified stored mobile device data from the remote storage device to the mobile device (paragraph 43); receiving the identified stored mobile device data from the remote storage device in response to the transmitted request (paragraph 43); and storing the identified stored mobile device data in the mobile device memory (paragraph 43).

As to **claim 6**, Vasudevan in view of Ji teaches everything as applied in claims 1 and 4-5 and Vasudevan also discloses: the remote storage device comprises the update management computing device (paragraph 54).

As to **claim 8**, Vasudevan in view of Ji teaches everything as applied in claim 1. Vasudevan in view of Ji further teaches determining whether to accept the updated mobile device configuration; upon determining to accept the updated mobile device configuration, accepting the updated mobile device configuration as the mobile device baseline; and upon determining not to accept the updated mobile device configuration, reverting to the baseline mobile device configuration (**see Ji, col. 8, lines 52-65, col. 9, lines 27-54 and col. 10, line 41 through col. 11, line 7**).

As to **claim 16**, Vasudevan in view of Ji teaches everything as applied in claim 1. Vasudevan in view of Ji further teaches wherein updating the mobile device with the received update data further comprises copy-on-write of stored baseline configuration

data stored into the available memory of the mobile device (**see Ji, col. 8, lines 52-65, col. 9, lines 27-54 and col. 10, line 41 through col. 11, line 7**).

As to **claim 17**, Vasudevan in view of Ji teaches everything as applied in claim 1 and Vasudevan also discloses: Executable program code stored in a computer readable medium and comprising instructions operable to cause a mobile device to perform the method of claim 1 when executed on the mobile device (paragraph 47).

As to **claim 48**, Vasudevan discloses: A mobile device having a baseline configuration stored in a mobile device memory **(110) (paragraph 2)**, comprising: means for receiving resource requirements data for an update from an update management computing device, the resource requirements data including a memory size of update data associated with the update (**paragraph 42 – It is inherent that the mobile device must possess a transceiver in order to communicate with the server**); means **(LRM)** for determining whether the mobile device has a minimum amount of available memory in the mobile device memory to store the update data by comparing the memory size of the update data to the minimum amount of available memory in the mobile device memory (**paragraph 42**); means **(LRM)**, responsive to the mobile device not having the minimum amount of available memory in the mobile device memory to store the update data, for identifying stored mobile device data stored in the mobile device memory that may be purged to make available the minimum amount of available memory in the mobile device memory (**paragraph 42**); means for transmitting from to the update management computing device update request data requesting update data (**paragraph 47 - It is inherent that the mobile device must possess a**

transceiver in order to communicate with the server); means for receiving at the mobile device the update data from the update management computing device in response to the transmitted update request data (paragraph 47 - It is inherent that the mobile device must possess a transceiver in order to communicate with the server).

However, Vasudevan fails to disclose updating the mobile device with the received update data by: creating an updated mobile device configuration within the available memory of the mobile device memory; and maintaining the baseline mobile device configuration within the mobile device memory after creating the updated mobile device configuration within the available memory of the mobile device memory.

However, the Examiner contends this feature is very well known in the art as taught for example by Ji.

In an analogous field of endeavor, Ji teaches disclose updating the mobile device with the received update data by: creating an updated mobile device configuration within the available memory of the mobile device memory; and maintaining the baseline mobile device configuration within the mobile device memory after creating the updated mobile device configuration within the available memory of the mobile device memory **(see col. 8, lines 52-65, col. 9, lines 27-54, col. 10, line 41 through col. 11, line 7 and Fig. 1; shows a single device memory 130).**

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Vasudevan with the teachings of Ji to include a method of updating the mobile device with the received update data by: creating an updated

mobile device configuration within the available memory of the mobile device memory;
and maintaining the baseline mobile device configuration within the mobile device
memory after creating the updated mobile device configuration within the available
memory of the mobile device memory, in order to provide a fail-safe software upgrade in
mobile devices by retaining a backup version of the original configuration file until the
new upgraded configuration file has been tested and verified as taught by Ji (**see col. 3,
lines 23-30 and col. 10, line 41 through col. 11, line 7**).

As to **claim 49**, Vasudevan in view of Ji teaches everything as applied in claim
48 and Vasudevan also discloses: means (**LRM**), responsive identifying stored mobile
device data stored in the mobile device memory that may be purged to make available
the minimum amount of available memory in the mobile device memory (paragraph 47),
for determining whether the identified stored mobile device data is stored on a remote
storage device operable to communicate with the mobile device over a communication
network (paragraph 47); means (**LRM**), response to determining that the identified
stored mobile device data is not stored on the remote storage device, transmitting the
identified stored mobile device data to the remote storage device for storage (paragraph
47), and for purging the identified stored mobile device data from the mobile device
memory (paragraph 47).

As to **claim 50**, Vasudevan in view of Ji teaches everything as applied in claims
48-49 and Vasudevan also discloses: means for transmitting a request from the mobile
device to the remote storage device for transmission of the identified stored mobile
device data from the remote storage device to the mobile device (paragraph 43); means

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for receiving the identified stored mobile device data from the remote storage device in response to the transmitted request (paragraph 43); and means for storing the identified stored mobile device data in the mobile device memory (paragraph 43).

As to **claim 51**, Vasudevan in view of Ji teaches teach everything as applied in claim 48. Vasudevan in view of Ji further teaches means for determining whether to accept the updated mobile device configuration; means, response to determining to accept the updated mobile device configuration, accepting the updated mobile device configuration as the mobile device baseline; and means, response to determining not to accept the updated mobile device configuration, for reverting to the baseline mobile device configuration (see *Ji*, col. 8, lines 52-65, col. 9, lines 27-54 and col. 10, line 41 through col. 11, line 7).

5. Claims 9 and 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Vasudevan, U.S. Publication Number 20040192282 A1 (hereinafter Vasudevan)** and **Ji et al., U.S. Patent Number 6,836,657 (hereinafter Ji)** as applied to claims 1 and 48 above, and further in view of **Cheng et al., U.S. Publication Number 2003/0046676 A1 (hereinafter Cheng)**.

As to **claims 9 and 52**, Vasudevan in view of Ji teaches teach everything as applied in claims 1 and 48 above. Vasudevan in view of Ji further teaches storing an update resource in the mobile device memory, the update resource specifying the baseline mobile device configuration and updated mobile device configuration (see *Ji*, col. 8, lines 52-65, col. 9, lines 27-54 and col. 10, line 41 through col. 11, line 7).

However, Vasudevan and Ji fails to explicitly teach determining whether an update resource is stored in the mobile device memory during an initialization of the mobile device; upon determining that the update resource is stored in the mobile device memory during an initialization of the mobile device, prompting a mobile device user to select one of the baseline mobile device configuration or updated mobile device configuration; and accepting the updated mobile device configuration or reverting to the baseline mobile device configuration based on the user selection.

In an analogous art, Cheng teaches determining whether an update resource is stored in the mobile device memory during an initialization of the mobile device **(paragraph 61)**; upon determining that the update resource is stored in the mobile device memory during an initialization of the mobile device, prompting a mobile device user to select one of the baseline mobile device configuration or updated mobile device configuration **(paragraph 61)**; and accepting the updated mobile device configuration or reverting to the baseline mobile device configuration based on the user selection **(paragraphs 61, 176)**.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify the Vasudevan and Ji with the teachings of Cheng, to include a method of determining whether an update resource is stored in the mobile device memory during an initialization of the mobile device; upon determining that the update resource is stored in the mobile device memory during an initialization of the mobile device, prompting a mobile device user to select one of the baseline mobile device configuration or updated mobile device configuration; and accepting the updated mobile

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device configuration or reverting to the baseline mobile device configuration based on the user selection, in order to enable the user to restore the client computer to its state prior to the installation, including restoring any files that were deleted or altered.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony S. Addy whose telephone number is 571-272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc M. Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.S.A



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